

State of California
Department of Food and Agriculture
Division of Measurement Standards

Certificate Number: 5277-01

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California Type Evaluation Program
Certificate of Approval
for Weighing Devices

For:

Weighing/Load Receiving Element
Load Cell Electronic
Model: TMS-5
 n_{\max} : 4000
 e_{\min} : 20 lb
Capacity: 80 000 lb

Accuracy Class: III L

Submitted by:

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Standard Features and Options

The weighing platform is designed to accommodate coils of rolled steel during the weighing operation.

Sub-floor construction: The weighing platform is supported by a steel frame. The steel frame sits on top of four load cells.

A rolled coil of steel is automatically placed on the weighing platform from a conveyor and weighed statically.

Load cells used: (4) Revere Transducers Model CSP1-B10-50K-30S5 (Certificate of Approval Number 3110(c)-01)

This device was evaluated under the California Type Evaluation Program (CTEP) and was found to comply with the applicable requirements of California Code of Regulations for "Weighing and Measuring Devices." Evaluation results and device characteristics necessary for inspection and use in commerce are on the following pages.

Effective Date: August 8, 2001

Mike Cleary, Director

California Steel Industries, Inc.
Weighing/Load Receiving Element
Model: TMS-5

Application: To be used for weighing steel coils, when used with an approved and compatible indicating element.

Identification: The self-adhesive identification plate is located on the side of the scale next to the junction box.

Sealing: The load cell junction box is located on the frame and can be sealed by threading a wire security seal through two drilled head screws securing the cover. The indicator is sealed according to the manufacturer's instructions for the particular indicator used.

Operation: Flattened steel is rolled onto a spindle. When the roll is completed, a conveyor unloads the rolled steel and automatically loads the coil of steel onto the weighing element.

Test Conditions: The emphasis of the evaluation was on device design, marking, and performance. The weighing element was interfaced to a Weigh-Tronix Model WI-120 indicator (Certificate of Approval Number 3018-88). Several increasing/decreasing load, shift, discrimination, and return to zero tests were conducted using 20 000 lb of known test weights and direct substitution methods to nominal scale capacity. The device was sealed and retested in the same manner 30 days later.

Results of the evaluation indicate the devices comply with applicable requirements.

Type Evaluation Criteria Used: Title 4, California Code of Regulations, 2001 Edition

Tested By: Dan Parks (CA) and Norman Ingram (CA)